

| Shield Key T4 Desktop Model | | | | Shield Key T8 Desktop Model | | | |
|----------------------------------|--------------------------|----------------------------|--------------------------|----------------------------------|---------------------------|----------------------------|--------------------------|
| | | | | | | | |
| 48TB Max Storage | 64 Max Cameras | 750Mb Throughput | 3840 Total FPS | 96TB Max Storage | 100 Max Cameras | 750Mb Throughput | 3840 Total FPS |

| Shield Key T4 NVR | | Shield Key T8 NVR |
|---|-----------------------|---|
| Intel® Core™ i3-8600 Processor 4 Core / 16GB DDR4 Memory | Processing | Intel® Core™ i3-8600 Processor 4 Core / 16GB DDR4 Memory |
| Up to: 48TB RAW. 4x HGST (4TB, 6TB, 8TB, 10TB or 12TB 7200 RPM, SATA 6Gb/s 3.5" HDD's. Video Surveillance Certified | Video Storage | Up to: 96TB RAW. 8x HGST (4TB, 6TB, 8TB, 10TB or 12TB 7200 RPM, SATA 6Gb/s 3.5" HDD's. Video Surveillance Certified |
| 240GB V-NAND Flash SSD SATA3 Dedicated for OS/VMS | System Storage | 240GB V-NAND Flash SSD SATA3 Dedicated for OS/VMS (Optional Mirrored) |
| Dual 1Gbit Ethernet RJ45 Copper ports | Networking | Dual 1Gbit Ethernet RJ45 Copper ports |
| Hardware RAID 5 Fault Tolerance w/ HW XOR Engine | RAID | Hardware RAID 5 Fault Tolerance w/ HW XOR Engine |
| Intel UHD630 QuickSync GPU w/ GPU Tuned FW & Services | GPU | Intel UHD630 QuickSync GPU w/ GPU Tuned FW & Services (Optional Nvidia GPU card) |
| Microsoft Windows 10 Enterprise 64bit | OS | Microsoft Windows 10 Enterprise 64bit |
| 250W Output @ 100-240V, 4-7.5A, 50-60Hz (non hot swap) | Power | CX550 550W ATX12V 80 PLUS BRONZE Certified Active PFC Power Supply 500W Output @ 100-240V, 7-10.5A, 50-60H (non hot swap) |
| 310 (D) x 200 (W) x 270 (H) (mm) , 12.2" x 7.87" x10.63" | Physical | 215.3mm (W) x 426.5mm (H) x 487.5mm (D) |

| Shield Key T4 NVR | | Shield Key T8 NVR |
|--|----------------------|--|
| 3 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs) | Warranty | 3 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs) |
| 4x front accessible HDD's | Hot-Swap | 8x front accessible HDD's |
| 8 x 3.1, USB Ports, 1x Serial RS232 | USB/Serial | 8 x 3.1, USB Ports, 1x Serial RS232 |
| D-Sub, DVI-D and HDMI. Supports Triple Monitor (NOT Recommended to run video client on this server) | Video Display | D-Sub, DVI-D and HDMI. Supports Triple Monitor (NOT Recommended to run video client on this server) |
| Milestone XProtect, Avigilon ACC6 or ONSSI Ocularis 5 Pre-loaded, GPU Active & Performance tuned. | VMS | Milestone XProtect, Avigilon ACC6 or ONSSI Ocularis 5 Pre-loaded, GPU Active & Performance tuned |
| Intel Quick Sync Video with AVC, MVC (S3D) and MPEG-2 Full HW Encode1, Intel InTru 3D, Intel Clear Video HD Technology, Intel Insider, Intel UHD Graphics. HWA Encode/Decode: AVC/H.264, HEVC/H.265 8-bit, HEVC/H.265 10-bit, VP8, VP9 8-bit, VP9 10-bit (Decode only), MPEG2, MJPEG, VC-1 (Decode only) | GPU Support | Intel Quick Sync Video with AVC, MVC (S3D) and MPEG-2 Full HW Encode1, Intel InTru 3D, Intel Clear Video HD Technology, Intel Insider, Intel UHD Graphics. HWA Encode/Decode: AVC/H.264, HEVC/H.265 8-bit, HEVC/H.265 10-bit, VP8, VP9 8-bit, VP9 10-bit (Decode only), MPEG2, MJPEG, VC-1 (Decode only) |



Shield | Key R12

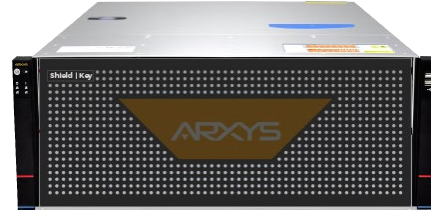
2U Rackmount Model



- 144TB** Max Storage
- 160** Max Cameras
- 1048Mb** Throughput
- 3840** Total FPS

Shield | Key R24/36

4U Rackmount Models



- 432TB** Max Storage
- 512** Max Cameras
- 2600Mb** Throughput
- 11520** Total FPS

| Shield Key R12 NVR | | Shield Key R24/R36 NVR |
|---|-----------------------|--|
| Intel® Core™ i5-8600 Processor 6 Core / 16GB DDR4 Memory | Processing | Intel® Core™ i7-8700 Processor 6 Core / 32GB DDR4 Memory |
| Up to: 144TB RAW. 12x HGST (4TB, 6TB, 8TB, 10TB or 12TB 7200 RPM, SATA 6Gb/s 3.5" HDD's. Video Surveillance Certified | Video Storage | Up to: 432TB RAW. 24/36x HGST (4TB, 6TB, 8TB, 10TB or 12TB 7200 RPM, SATA 6Gb/s 3.5" HDD's. Video Surveillance Certified |
| 240GB V-NAND Flash SSD SATA3 Dedicated for OS/VMS (Optional Mirrored) | System Storage | 2x 240GB V-NAND Flash SSD SATA3 Mirrored-Dedicated for OS/VMS |
| Dual 1Gbit Ethernet RJ45 Copper ports | Networking | Dual 1Gbit Ethernet RJ45 Copper ports |
| Hardware RAID 6 Double Fault Tolerance w/ HW XOR Engine | RAID | Hardware RAID 6 Double Fault Tolerance w/ HW XOR Engine |
| Intel UHD630 QuickSync GPU w/ GPU Tuned FW & Services | GPU | Intel UHD630 QuickSync GPU w/ GPU Tuned FW & Services (Optional Nvidia GPU card) |
| Microsoft Windows 10 Enterprise 64bit | OS | Microsoft Windows 10 Enterprise 64bit |
| 550W Delta Dual Redundant hot swap Output @ 100-240V, 8-10.5A, 50-60Hz | Power | R24:800W/R36:1200W Delta Dual Redundant hot swap Output @ 100-240V, 10-19.5A, 50-60Hz |
| Standard 19" Rackmount w/Rails 444mm(W) x 87.6mm(H) x 670(D) | Physical | Standard 19" Rackmount w/Rails 444mm(W) x 87.6mm(H) x 670(D) |

| Shield Key R12 NVR | | Shield Key R24/R26 NVR |
|--|----------------------|--|
| 3 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs) | Warranty | 3 Years Advanced Warranty with NBD Advanced Parts Replacement of Field Replaceable Units (FRUs) |
| 12x front accessible HDD's, Power Supplies, Fans | Hot-Swap | 24 or 36x front accessible HDD's, Power Supplies, Fans |
| 8 x 3.1, USB Ports, 1x Serial RS232 | USB/Serial | 8 x 3.1, USB Ports, 1x Serial RS232 |
| D-Sub, DVI-D and HDMI. Supports Triple Monitor (NOT Recommended to run video client on this server) | Video Display | D-Sub, DVI-D and HDMI. Supports Triple Monitor (NOT Recommended to run video client on this server) |
| Milestone XProtect, Avigilon ACC6 or ONSSI Ocularis 5 Pre-loaded, GPU Active & Performance tuned. | VMS | Milestone XProtect, Avigilon ACC6 or ONSSI Ocularis 5 Pre-loaded, GPU Active & Performance tuned |
| Intel Quick Sync Video with AVC, MVC (S3D) and MPEG-2 Full HW Encode1, Intel InTru 3D, Intel Clear Video HD Technology, Intel Insider, Intel UHD Graphics. HWA Encode/Decode: AVC/H.264, HEVC/H.265 8-bit, HEVC/H.265 10-bit, VP8, VP9 8-bit, VP9 10-bit (Decode only), MPEG2, MJPEG, VC-1 (Decode only) | GPU Support | Intel Quick Sync Video with AVC, MVC (S3D) and MPEG-2 Full HW Encode1, Intel InTru 3D, Intel Clear Video HD Technology, Intel Insider, Intel UHD Graphics. HWA Encode/Decode: AVC/H.264, HEVC/H.265 8-bit, HEVC/H.265 10-bit, VP8, VP9 8-bit, VP9 10-bit (Decode only), MPEG2, MJPEG, VC-1 (Decode only) |

